



# HF Happenings 390

January 2010

HF Happenings via Yahoo Groups [HF\\_Happenings-subscribe@yahoogroups.com](mailto:HF_Happenings-subscribe@yahoogroups.com)

South African Radio League

Suid-Afrikaanse Radioliga

1925 - 2010

Member Society of the International Amateur Radio Union Region 1

## Contest Committee

Are you interested in HF or VHF/UHF Contesting? The SARL would like to form a Contest Committee. Some of the tasks of this committee would be the management of HF and VHF/UHF contests, updating contest rules, creating new contests, dealing with disputes and issuing the annual contest manual. If you would like to serve on this committee, please send your name to [hfcontests@netactive.co.za](mailto:hfcontests@netactive.co.za) by Sunday 31 January 2010

## Causing Abuse on the Band and Repeaters

I was looking for information on the RSGB website and read the GM's Blog. Peter Kirby, G0TWW, the General Manager of the RSGB writes about what the RSGB has been doing and one paragraph caught my eye.

"This week I have a beef! Why is it that normally sensible adults take great delight in causing abuse on the bands and on Repeaters? This was a real problem in the mid-nineties but seemed to go away, apart from odd isolated incident. But now it appears to be back with a vengeance. In recent weeks, I have received reports from several parts of the country of Repeater abuse. If you are reading this and as a pastime think it's funny to spoil your fellow amateur's enjoyment, by causing abuse, either on the bands or on your local repeater, GROW UP, it's not funny and it is spoiling the image of the hobby. You worked hard and are privileged to hold an Amateur Radio licence why risk losing it and losing the friendship and respect of your fellow amateurs. You know, nine times out of ten we know who you are!"

I think it is a message we can share with our clubs and radio amateurs.

## 1 229 km with 1 mW on 500 kHz

Roger, G3XBM, has been trying to break the 1 000 km barrier with his 1 milliwatt 500 kHz station and on Wednesday 20 January he succeeded.

On the GQRP list he writes, "This evening [Wednesday], my target of exceeding 1000kms on 500kHz has been exceeded by a GREAT margin. Lubos, OK2BVG, in JN88ks managed to hear my 1 mW ERP WSPR signal at a distance of 1 229 kms. This is by far my best DX and a new country on the band. Lubos even moved to his quieter country QTH in order to hear my weak signal. This was his message.

Hello Roger, LF!

This moment is just now:

2136 -7 0.2 0.503874 0 G4JNT IO90 23

2142 -29 -0.5 0.503910 1 G3XBM JO02 0

## January 2010

ZS10WCS operated by the Vrystaat ARC

1 New Year's Day, start of  
2010 CQ DX Marathon  
2/3 ARRL RTTY roundup  
9/10 Mongolian RTTY DX contest; Hunting Lions in the Air  
13 Schools open  
15 - 17 PEARS VHF/UHF Contest  
16/17 Hungarian DX contest  
23 SMT course, Cape Town  
24 BACAR launch, Western Cape  
27 SARL Club Phone Contest  
29-31 CQ WW 160 m CW contest  
29 - 31 ZS10WCS Field Station  
31 SARL Presidents Net  
31 Closing date AGM Motions

"What have you done today to make you proud?"





Congratulation!

Lubos, OK2BVG, JN88KS

Still picking myself up off the floor and I cannot begin to convey how exciting this is for me! He must have "good ears" and a quiet location to be able to do this. 73s Roger, G3XBM"

### *Pirate Alert*

Stations signing ZF2AS during the December 2009 ARRL 160 metre contest was apparently PIRATES. DO NOT QSL your card to W1UA. He is NOT the QSL Manager for this operation.

### *ZS10WCS*

The Vrystaat Amateur Radio Club, ZS4B, will be running a field day station using the ZS10WCS call from Friday 29 January to Sunday 31 January in the Bethlehem vicinity. Listen out on 3,780, 7,080 and 14,280 MHz. They will also be active on the 145.650 repeater at Harismith. They plan to be active from 13:00 CAT (11:00 UTC) on Friday until 12:00 CAT (10:00 UTC) on Sunday. QSL cards to the SARL bureau.

### *DX from Africa*

Tunisia, 3V. Members of two Tunisian clubs are active with the special call sign TS8RW until 14 February in celebration of the Rover Scout week. QSL via operators' instructions.

Tanzania, 5H. Igor, UA3DJY, is active as 5I3A until 1 March. Activity is on all bands. QSL via RK3AOL.

Uganda, 5X. Nick, G3RWF is active as 5X1NH until 21 March. Activity is on all bands, except 160 metres, using CW, SSB, RTTY and PSK. QSL to home call.

Senegal, 6W. Tom, GM4FDM, and Ronald, PA3EWP, will be active as 6W/GM4FDM and 6W/PA3EWP from Le Calao, Senegal from 26 January to 9 February. They plan to concentrate on the low bands and RTTY, with an emphasis on North America and Japan. QSL 6W/GM4FDM via home call, QSL 6W/PA3EWP via PA7FM. Tom will upload his logs on LoTW, during the operation or as soon as he arrives home.

Senegal, 6V7. Luc, F5RAV, will be active from La Somone between 18 February and 1 March. He will operate from the QTH of Jean-Francois, 6W7RV, 6W7RV. QSL via only direct to his home call sign.

Tanzania, 5I. Igor, UA3DJY, is once again back in Dar Es Salaam, and is operating from the DIT Communications Club station, 5I3A, until 1 March. He will try to be active on all bands. This past weekend Igor was active on 40, 20 and 15 metres CW as well as 17 and 15 metres SSB. QSL via RK3AOL.

Tanzania, 5I. After the Tonga operation as A35HA and his Falkland Island operation as VP8BUH, Uruguayan globetrotter Bert, CX3AN, will visit Tanzania during the first 2 weeks of February. Look for him on the bands, joined by Igor, UA3DJY, and Paul, 5H3PF, to activate the Dar Es Salaam's Institute of Technology (DIT) radio club station 5I3A. Activity will be mostly SSB and CW using a FT-1000 MP and a log periodic between 20 - 10 meters.





Uganda, 5X. Nick, G3RWF, will once again be active from Port Fortal, Uganda, as 5X1NH between 21 January and 21 March. Activity will be on the HF bands. Nick prefers CW and likes the Digital modes (PSK and RTTY), but may work SSB whenever signals are good enough. QSL via home call, direct or bureau.

Malawi, 7Q. QSL Manager Allan, G0IAS, reports that Harry, 7Q7HB (G0JMU), is again heading to the warmer climate of Malawi for a period of 3 months or so. He was stuck in Nairobi but was hoping to be in 7Q-land via Lusaka on Thursday (21 January). Activity will probably be on the Digital modes and CW. QSL as usual is ONLY DIRECT to G0IAS with sufficient funds for return cards. NO BUREAU cards. NO eQSLs. Just old fashioned paper cards DIRECT!

Canary Islands, EA. Operators Andy, EA8CN, Manuel, EA8NC, Anders, SM6CNN, and Luis, EA8AY, will be active from Tacoronte, Isla de Tenerife (DIE S-012, WLOTA LH-1276), Canary Islands (AF-004) as EF8N during the ARRL DX CW Contest (20 - 21 February) as a Multi-2 entry. QSL via EA8AY, direct or bureau.

Canary Islands, EA8. Klaus, EA8/DK1AX, will be active holiday style from Teneriffe (AF-004) from 2 to 14 February. He plans to work CW only on 15, 20, 30 and 40 m using a K1 radio with 5 watts and a Kelemen dipole. He will call on the usual QRP frequencies (+/- QRM). Spots are welcome! QSLs via bureau to his home call direct with SASE or SAE plus return postage. His address can be found at QRZ.com.

Guinea-Bissau, J5 / Senegal, 6W. Laci, HA0NAR, wants to activate Guinea-Bissau as J5NAR between 27 January and 10 February. His next stop will be Senegal from where he will show up as 6W/HA0NAR from 11 to 21 February. He also plans to activate the IOTA groups AF-078 (Senegal South Group) and AF-093 (Guinea-Bissau Coastal Region Group).

Mozambique, C9. David, GI4FUM (EI4DJ/3DA0DJ), who has recently returned from a visit with his family to the Mpumalanga province of South Africa which included 5 days in the Kruger National Park, announced that he is planning a DXpedition to Mozambique in October 2010, to operate in the CQ WW DX SSB Contest and also possibly the JOTA. Watch his Web page for updates at <http://www.3da0ss.net>

Logs. A log search for D2CQ is now available at [algarvedx.com/logonline](http://algarvedx.com/logonline). The QSL manager, CT1IUA, reports that the first 200 direct cards were posted on 19 January.

### *Special Event Stations*

Poland, SP. Mariusz, SP5XSL will be active as SP80XSL from 1 February to 30 April to celebrate the 80<sup>th</sup> anniversary of the Polish Amateur Radio Union (PZK). QSL via home call. Information on the commemorative award issued by PZK can be found at [www.qrz.com/db/sn80pzk](http://www.qrz.com/db/sn80pzk)

The Netherlands, PA. PI65RTD and other 17 call signs with special prefix PA65, PD65 and PH65 will be aired on bands and modes until 30 April to celebrate VERON Rotterdam's 65<sup>th</sup> anniversary. Information on the relevant award can be found at [www.65years.webklik.nl](http://www.65years.webklik.nl)

Germany, DR2010. To celebrate "Essen und das Ruhrgebiet European Capital of Culture 2010," look for the following special event stations to be on the air to the end of the year: DR2010L,

----- "What have you done today to make you proud?" -----





DR2010O and DR2010N. More information including the rules for a short-term award is available at <http://www.dr2010o.de>

### *Researchers Develop Single Atom Transistor*

Researchers from the University of New South Wales, the University of Melbourne and Finland's Helsinki University have succeeded in building a micro-sized transistor whose active region composes only of a single phosphorus atom in silicon.

The working principles of the device are based on sequential tunnelling of single electrons between the phosphorus atom and the source and drain leads of the transistor.

The tunnelling can be suppressed or allowed by controlling the voltage on a nearby metal electrode with a width of a few tens of nanometres.

In the recently developed transistor, all the electric current passes through the same single atom. This allows researchers to study the effects arising in the extreme limit of the transistor size. The results of the development of this transistor have been published in *Nano Letters*. That is a journal of the American Chemical Society.

(Science OnLine)

### *The Year of Radio*

Pakistan's Minister for Information and Broadcasting has declared 2010 as the Year of Radio due to its extensive outreach and it being the cheapest source to disseminate information to the masses.

"The medium of radio has become the most popular means of mass communication around the world, but in Pakistan radio is not given the attention it deserves," the minister said. "The present democratic government is committed to freedom of media and its promotion and would adopt measures to make the medium flourish in the country in view of its widespread coverage," he added.

Electronic and print media has progressed tremendously but more attention would now be paid to develop the medium of radio. He said, improved broadcasting quality, more innovative and entertaining content, and new technological developments in areas have made radio a resurgent medium, extremely popular in many fields including education, advertising and entertainment.

Declaring 2010 as Year of Radio, he assured all government support to promote the medium to highlight the policies of the government besides challenges facing the country.

Director-General of Pakistan Broadcasting Corporation, Murtaza Solangi, appreciated the announcement of 2010 as The Year of Radio by the minister, saying the state-run Radio Pakistan is actively contributing towards the cherished goal of peace and national harmony.

(Source: Internews/R Netherlands Media Network Weblog)

### *Contest Calendar*

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 25 January to 2 February 2010.

SKCC Sprint

00:00 - 02:00 UTC 27 January

Mode: CW

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: (none)

Exchange: RST, name, state, province or country and SKCC No or power

Work stations: Once per band

QSO Points: 1 point per QSO

Bonus Points: 5 points per Centurion member

QSO per band; 10 points per Tribune mem-







ber QSO per band; 25 points per QSO with SKCC club call (K9SKC) per band  
Multipliers: Each state, province or country once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 23:59 UTC 29 January 2010

E-mail log summary to: (none)

Post log summary at:

<http://www.skccgroup.com/sprint/sks/sks-submit.html>

Mail logs to: (none)

Find rules at:

<http://www.skccgroup.com/sprint/sks/>

NCCC Sprint Ladder

02:30 - 03:00 UTC 29 January

Mode: CW

Bands: 160, 80, 40 and 20 m

Classes: Single Op

Max power: 100 watts

Exchange: (see rules)

Work stations: Dupes allowed after at least one intervening QSO

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and KH6) once per band; Each VE province once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 January 2010

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

CQ 160 Metre CW Contest

22:00 UTC 29 January to 21:59 UTC 31 January

Mode: CW

Bands: 160 m Only

Classes: Single Op - QRP, Low or High; Single Op Assisted - High; Multi-Op

Max operating hours: Single Op: 30 hours; Multi-Op: 40 hours

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: W/VE: RST and state or province; DX: RST and CQ Zone

QSO Points: 2 points per QSO with own country; 5 points per QSO with other countries on same continent; 10 points per QSO with other continents; 5 points per QSO with maritime mobile

Multipliers: Each US state (excluding KH6/KL7); Each VE area; Each DXCC country (including KH6/KL7)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 28 February 2010

E-mail logs to: 160cw[at]kkn[dot]net

Mail logs to: CQ 160-Meter Contest, 25 Newbridge Road, Hicksville, NY 11801, USA

Find rules at:

[http://cq-amateur-radio.com/160\\_Rules\\_2010EmsNov09.pdf](http://cq-amateur-radio.com/160_Rules_2010EmsNov09.pdf)

REF CW Contest

06:00 UTC 30 January to 18:00 UTC 31 January

Mode: CW

Bands: 80, 40, 20, 15 and 10 m

Classes: Single Op All Band - QRP, Low or High; Single Op Single Band - QRP, Low or High; Multi-Single - QRP, Low or High; Club; SWL

Max operating hours: Single Op: 28 hours in no more than 3 increments of at least 1 hour each

Max power: HP: >100 Watts; LP: 100 Watts; QRP: 5 Watts

Exchange: French: RST and Department or Prefix; non-French: RST and Serial No

Work stations: Once per band

QSO Points: French: 6 points per QSO with French station same continent; French: 15 points per QSO with French station on different continent; French: 1 point per QSO with non-French station same continent; French: 2 points per QSO with non-French station on different continent; non-French: 1 point per QSO with French station same





continent; non-French: 3 points per QSO with French station on different continent  
Multipliers: French/Corsica departments once per band; French overseas prefixes once per band; non-French DXCC countries once per band (available only to French stations)  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 2 March 2010  
E-mail logs to: [cdfcw\[at\]ref-union\[dot\]org](mailto:cdfcw[at]ref-union[dot]org)  
Mail logs to: F6CTT, Cornee Fromy Joseph, Route de Coesmes, F-35240 Retiers, France  
Find rules at:  
[http://concours.ref-union.org/reglements/actuels/reg\\_cdfhfdx.pdf](http://concours.ref-union.org/reglements/actuels/reg_cdfhfdx.pdf)

#### UBA DX SSB Contest

13:00 UTC, Jan 30 to 13:00 UTC 31 January  
Mode: SSB  
Bands: 80, 40, 20, 15 and 10 m  
Classes: Single Op All Band - Low or High; Single Op Single Band - Low or High; Single Op QRP; Multi-Single; SWL  
Max power: HP: >100 watts; LP: 100 watts; QRP: 10 watts  
Exchange: ON: RST, Serial No and province; non-ON: RST and Serial No  
Work stations: Once per band  
QSO Points: 10 points per QSO with Belgian station; 3 points per QSO with other EU stations; 1 point per QSO with non-EU stations  
Multipliers: Each Belgian province once per band; Each Belgian prefix once per band; Each EU DXCC country once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 2 March 2010  
E-mail logs to: [ubassb\[at\]uba\[dot\]be](mailto:ubassb[at]uba[dot]be)  
Mail logs to: UBA HF Manager, Carine Ramon, ON7LX, Bruggesteeweg 77, B-8755 Ruiselede, Belgium  
Find rules at:  
[http://www.uba.be/sites/default/files/uploads/hf\\_contests/ubatest\\_dx.pdf](http://www.uba.be/sites/default/files/uploads/hf_contests/ubatest_dx.pdf)

#### SPAR Winter Field Day

17:00 UTC 30 January to 17:00 UTC 31 January  
Mode: Any  
Bands: All, except WARC  
Classes: Operators - 1, 2 or Multi, Site - Indoor, Outdoor or Home  
Exchange: RS(T), Category and Temperature (including F or C)  
QSO Points: 1 point per QSO  
Bonus: 1000 points if commercial power not used; 1000 points if outdoors; 1000 points if not at home  
Multipliers: One for each mode operated per band  
Score Calculation: Total score = (total QSO points x total mults) and bonus points  
Submit logs by: 28 February 2010  
E-mail logs to:  
[winterfd\[at\]spar-hams\[dot\]org](mailto:winterfd[at]spar-hams[dot]org)  
Mail logs to: (none)  
Find rules at:  
<http://www.spar-hams.org/contests/winterfd/index.php?pg=2>

Classic Exchange, CW: 1400Z 31 January to 0800Z 1 February  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10, 6 and 2 m  
Classes: (none)  
Exchange: Name, RST, state, province or country and receiver or transmitter, manufacturer or model  
Work stations: Once per band per mode per receiver or transmitter, manufacturer or model  
QSO Points: 1 point per QSO  
Multipliers: (see rules)  
Score Calculation: Total score = sum(total mode QSO points x total mode mults)  
Submit logs by: 15 April 2010  
E-mail logs to:  
[WQ8U\[at\]NC\[dot\]RR\[dot\]COM](mailto:WQ8U[at]NC[dot]RR[dot]COM)  
Mail logs to: WQ8U, 104 W. Queen St., Hillsborough, NC 27278, USA  
Find rules at: <http://qsl.asti.com/CX/>

RSGB 80 m Club SSB Championship  
20:00 - 21:30 UTC 1 February  
Mode: SSB





Bands: 80 m Only  
Classes: (none)  
Exchange: RS and Serial No  
QSO Points: 1 point per QSO  
Multipliers: (none)  
Score Calculation: (see rules)  
Submit logs by: 8 February 2010  
E-mail logs to:  
ccssb[dot]logs[at]rsgbhfcc[dot]org  
Upload log at:  
<http://www.vhfcc.org/cgi-bin/hfenter.pl>  
Mail logs to: (none)  
Find rules at:  
<http://www.rsgbcc.org/hf/rules/2010/r80mcc.shtml>

ARS Spartan Sprint  
02:00 - 04:00 UTC 2 February

Mode: CW  
Bands: 80, 40, 20, 15 and 10 m  
Classes: Skinny; Tubby  
Max power: 5 watts  
Exchange: RST, state, province or country and power  
Work stations: Once per band  
Submit logs by: 4 February, 2010  
E-mail logs to:  
spartansprint[at]yahoo[dot]com  
Mail logs to: (none)  
Find rules at:  
[http://adventure-ra-dio.org/wiki/index.php?title=Spartan\\_Sprint\\_Rules](http://adventure-ra-dio.org/wiki/index.php?title=Spartan_Sprint_Rules)

### *Next Week's Contests*

ARS Spartan Sprint, 02:00 - 04:00 UTC 2 February  
NCCC Sprint Ladder, 02:30 - 03:00 UTC 5 February  
Vermont QSO Party, 00:00 UTC 6 February to 24:00 UTC 7 February  
YL-ISSB QSO CW Party, 00:00 UTC 6 February to 23:59 UTC 7 February  
10-10 International Winter SSB Contest, 00:01 UTC 6 February to 23:59 UTC 7 February  
Black Sea Cup International, 12:00 UTC 6 February to 11:59 UTC 7 February  
FYBO Winter QRP Sprint, 14:00 - 24:00 UTC 6 February  
Minnesota QSO Party, 14:00 - 24:00 UTC 6 February  
British Columbia QSO Party, 16:00 UTC 6 February to 07:59 UTC 7 February  
AGCW Straight Key Party, 16:00 - 19:00 UTC 6 February  
Delaware QSO Party, 17:00 UTC 6 February to 23:59 UTC 7 February  
Mexico RTTY International Contest, 18:00 UTC 6 February to 17:59 UTC 7 February  
North American CW Sprint, 00:00 - 04:00 UTC 7 February  
New Mexico QSO Party, 15:00 UTC 7 February to 03:00 UTC 8 February  
ARCI Fireside SSB Sprint, 20:00 - 23:59 UTC 7 February  
ARRL School Club Roundup, 13:00 UTC 8 February to 24:00 UTC 12 February

### *Remembering the unit men - Faraday*

Hello, I am Jim Linton, VK3PC, with another in a series of brief looks at those who made discoveries and have their names as units of measurement.

Michael Faraday born in 1791 was a brilliant mostly self-taught man who entered science in an unusual way, by working in a bookbindery that allowed him to read scientific books. Then he began to attend lectures on many different topics but was particularly interested in electricity and mechanics.

Faraday literally talked himself into a position of assistant at the Royal Institution in 1813 and later that year joined a scientific tour of Europe where he met Andre-Marie Ampere





and other scientists in Paris. Exposure to those leading men of science during the 18-month tour had a profound influence.

Through the work of others, the relationship between electricity and magnetism had been established, but Faraday took it further by converting electrical into mechanical energy, and providing the first notion of magnetic lines of force.

In 1831, he discovered electro-magnetic induction, demonstrating that a magnet could induce an electrical current in a wire.

This English scientist initially had his surname 'Faraday' as the old unit of charge known called the coulomb (coo-lomb), named after a French physicist who defined electrostatic force of attraction and repulsion.

A shortening of 'Faraday' gives us the Farad, the international unit for a capacitance.

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*Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.*

